

## MODIS VALIDATION ISSUES - BACKGROUND

- All Products Must Be Validated
- 4 Non-Integrated Draft Plans Submitted to PSO in April, 1996
- Partial Integration of Plans Between MODIS & ASTER
- MCST Accelerating its Planning for Validation Plan of Level 1B
- Validation Workshop May, 1996
- Validation NRA to Be Issued
- Integrated MODIS Validation Plan Due to PSO Late Summer 1996
- Propose that MODIS Prepare Integrated Cal/Val Plan by Same Date

## INTEGRATED CAL/VAL PLANNING

- MCST Responsible for Calibration of Level 1B Product
- Science Team Responsible for Level 2 and Higher Products
- Product Producers Responsible for Validation of Their Products
- Science Team Contributes to Validation of Level 1B Product
- Science Team May Want Its Own "Calibration" for Some Products
- Consensus Needed on What is "Calibration" & What is "Validation"
- Approach Needed in Case Where Level 2 Products Invalidate Calibration

## DEFINITIONS/SCENARIOS

- Calibration is the Process by Which Sensor Digital Counts Are Related to the Basic Geophysical Parameter (Reflectance, Radiance)
- Validation is the Determination of the Accuracy & Range of Applicability of the Calibration of the Basic Geophysical Parameter or Higher Level Product
- Invalidation is the Determination that the Accuracies of the Basic Geophysical Parameter or Higher Level Product Are Outside Required Levels
- Invalidation of a Product Requires That The Developer Revise Their Algorithm
- Incorporation of the Validation Data into the Product Algorithm Leads to Circular Logic

## SOME QUESTIONS

- What is the Mechanism for Accommodating Expected Trends in Sensor Performance?
- Are the Solar Diffuser Measurements Calibration or Validation?
- Are Lunar Observations Calibration or Validation?
- What is The Role of Level 2 Products in Validating the Level 1B Products?
- What is the Mechanism for Adjudicating Disagreements Between or Among the Various "Calibrations"?

## OTHER ISSUES

- Coordination With R&A Program
- Coordination Among AM-1 Instruments
- Optimization of A/C & Ship Resources & Use of Coordinated Field Campaigns
- Role of NRA-Selected Investigators in Validation of MODIS Products